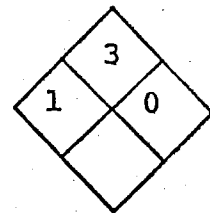


FEB 01 1982

DPM - 3269

**BF Goodrich****MATERIAL SAFETY  
DATA SHEET**

ESSENTIALLY SIMILAR TO U.S. DEPARTMENT OF LABOR OSHA FORM 20

PRODUCT DESIGNATION

Adhesive A-1231-B

**I. PRODUCT IDENTIFICATION**

DIVISION NAME

Engineered Products Group

REGULAR TELEPHONE NO.

216-374-2769

EMERGENCY TELEPHONE NO.

216-374-3422

ADDRESS

after 5 PM

216-374-2224

500 S. Main St., Akron, Ohio 44318

TRADE NAME Adhesive A-1231-B

**SYNONYMS****II. HAZARDOUS INGREDIENTS**

MATERIAL OR COMPONENT	%	HAZARD DATA (TLV, LD50, LC50, ETC.) ACGIH 1980 TWA =
Acetone	40	1000 ppm
Ethyl alcohol	5	" 1000 ppm
Methyl ethyl ketone	35	" 200 ppm

**III. PHYSICAL DATA**

BOILING POINT (760 MM HG)	130° - 178° F	MELTING POINT	
SPECIFIC GRAVITY (H <sub>2</sub> O=1)	0.874	VAPOR PRESSURE	185 mmHg
VAPOR DENSITY (AIR=1)	2.2	SOLUBILITY IN H <sub>2</sub> O, % BY WT.	appreciable
% VOLATILES BY VOL.	80	EVAPORATION RATE (BUTYL ACETATE=1)	7.7
APPEARANCE AND ODOR	Slightly viscous tan liquid with ketone odor		

**Disclaimer of Liability**

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# IV FIRE AND EXPLOSION DATA

FLASH POINT (TEST METHOD)	AUTOIGNITION TEMPERATURE	FLAMMABLE LIMITS IN AIR, % BY VOL.
0°F, Closed Cup		LOWER 3 UPPER 19
EXTINGUISHING MEDIA	Carbon dioxide, foam, dry chemical	
SPECIAL FIRE FIGHTING PROCEDURES	Self-contained breathing apparatus should be worn	
UNUSUAL FIRE AND EXPLOSION HAZARD	Vapors may build up in a poorly ventilated area and be ignited causing flash fires or explosions.	

# V HEALTH HAZARD INFORMATION

HEALTH HAZARD DATA Exposure to solvent-liquid and vapors

## ROUTES OF EXPOSURE

INHALATION	Excessive inhalation may cause respiratory irritation, headache, drowsiness, incoordination
SKIN CONTACT	Short single - no adverse effects likely Prolonged or repeated - defatting, irritation
SKIN ABSORPTION	
EYE CONTACT	Liquid and vapors are irritating to the eye
INGESTION	Gastrointestinal irritation, nausea, headache, dizziness, narcosis

## EFFECTS OF OVEREXPOSURE

ACUTE OVEREXPOSURE	Vapors may cause eye, nose and throat irritation, nausea, headache, narcosis
CHRONIC OVEREXPOSURE	Prolonged and repeated contact may cause defatting action, dermatitis

## EMERGENCY AND FIRST AID PROCEDURES

EYES	Flush with plenty of water for 15 min. holding eyelids open, see a physician
SKIN	Remove contaminated clothing, wash area with plenty of soap and water, if irritation develops see a physician
INHALATION	Remove to fresh air, if not breathing give artificial respiration, if breathing difficult give oxygen, call a physician
INGESTION	Do Not Induce Vomiting - call a physician immediately

## NOTES TO PHYSICIAN

## VI REACTIVITY DATA

CONDITIONS CONTRIBUTING TO INSTABILITY	
INCOMPATIBILITY	
HAZARDOUS DECOMPOSITION PRODUCTS	Carbon monoxide, carbon dioxide, ammonia, others possible
CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION	

## VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED	Eliminate all sources of ignition, avoid breathing vapors, Wipe up with rags or absorb on inert absorbent, place in closed containers for disposal
NEUTRALIZING CHEMICALS	
WASTE DISPOSAL METHOD	This material, if discarded, or contained in a material which is discarded, may be hazardous as defined by government regulation* and therefore may be subject to storage, transportation and disposal requirements imposed by such regulations. Address questions to Environmental Engineering (216) 374-2000

## VIII SPECIAL PROTECTION INFORMATION

VENTILATION REQUIREMENTS	GENERAL LOCAL To keep vapor concentrations below TWA
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## SPECIFIC PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY (SPECIFY IN DETAIL)	NIOSH approved for organic vapors if concentrations are above TWA
EYE	Goggles
GLOVES	Impervious
OTHER CLOTHING AND EQUIPMENT	

\*40CFR261.21 Characteristic of Ignitability (flash point less than 60°C)

## IX SPECIAL PRECAUTIONS

### PRECAUTIONARY STATEMENTS

Warning: Extremely flammable mixture  
Vapors may be harmful  
Use only in a well ventilated area away from all sources  
of ignition (flames, sparks, non-explosion proof devices)  
Avoid prolonged or repeated breathing of vapors  
Avoid skin and eye contact  
For industrial use only

### OTHER HANDLING AND STORAGE REQUIREMENTS

Store in tightly closed containers in a cool dry place away from all sources of heat. Containers of this material may be hazardous when empty since they may contain residual liquid or vapors. All hazard precautions should be observed with such containers.

"The information contained herein is based upon data taken from sources believed to be both current and reliable at time of publication. The BFGoodrich however makes no warranties, express or implied as to its accuracy and assumes no liability arising from its use by others. Compliance with all applicable federal, state and local laws and regulations remains the responsibility of the users"

### X. TRANSPORTATION DATA

#### HAZARDOUS CHARACTERISTICS

<input type="checkbox"/> CORROSIVE	<input checked="" type="checkbox"/> FLAMMABLE LIQUID	<input type="checkbox"/> FLAMMABLE SOLIDS	<input type="checkbox"/> EXPLOSIVES
<input type="checkbox"/> OXIDIZER	<input type="checkbox"/> POISON	<input type="checkbox"/> MAGNETIC	<input type="checkbox"/> NON-FLAMMABLE GAS
<input type="checkbox"/> FLAMMABLE GAS	<input type="checkbox"/> RADIOACTIVE	<input type="checkbox"/> NONE	<input type="checkbox"/> OTHER

D.O.T. CLASSIFICATION

FLASH POINT

°C

°F

Adhesive NOS

PREPARED BY

W. C. Bachtel, Toxicologist

ADDRESS

500 S. Main St., Akron, Ohio 44318

DATE

3-16-81

BFG-12557

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